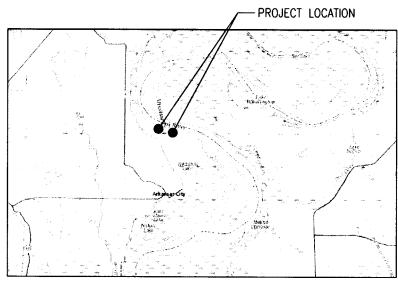
ARKANSAS DEPARTMENT OF TRANSPORTATION CONSTRUCTION PLANS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	GF0270	1	15
	<u>(1)</u>	McCALLIE	BOAT RAN	IPS AND	PKG. L	OT (MISSISSIPPI	RIVER)	(S)

McCallie Boat Ramps and Pkg. Lot (MISSISSIPPI RIVER) (S)



VICINITY MAP
(NOT TO SCALE)

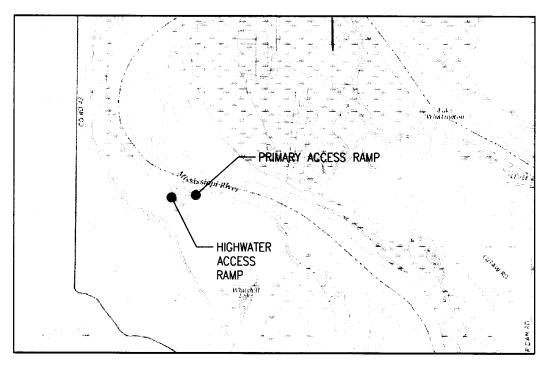
PROJECT COORDINATES

MID-POINT OF PROJECT (PRIMARY ACCESS) LAT. =N33*39'17" LONG. =W91*12'31"

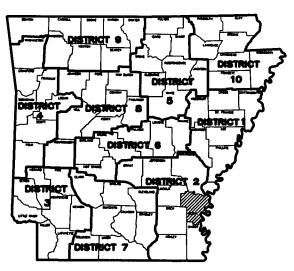
=W91'12'44"

MID-POINT OF PROJECT (HIGH WATER ACCESS & SCENIC OVERLOOK) LAT. =N33'39'18" **DESHA COUNTY**

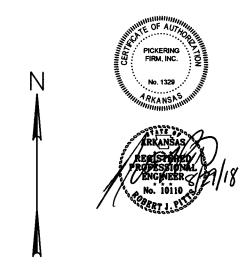
JOB GF0270



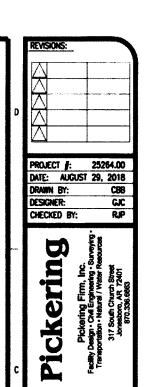
LOCATION MAP (NOT TO SCALE)



ARKANSAS HIGHWAY DISTRICT NO. 2



SHEET	NO	NAME	REV NO	DATE	BY	APPRV'D	DESCRIPTION
G-001	1	TITLE SHEET -		-	-	-	-
G-002	2	INDEX OF SHEETS	-		-	-	-
G-003	3	GOVERNING SPECIFICATIONS AND GENERAL NOTES	-			-	•
G-004	4	SUMMARY OF QUANTITIES AND REVISIONS	-	-	•	•	
C-001	5	NOTES	-			-	•
C-010	6	OVERALL SITE PLAN	-	-			-
		PRIMARY ACCESS RAMP		:			
C-100	7	EXISTING CONDITIONS AND DEMOLITION PLAN (PRIMARY ACCESS RAMP)	-	-	-	-	
C-110	8	SITE PLAN (PRIMARY ACCESS RAMP)	-	-		•	
C-120	9	GRADING AND EROSION CONTROL PLAN (PRIMARY ACCESS RAMP)	-				•
C-130	10	RAMP PLAN AND PROFILE (PRIMARY ACCESS RAMP)		-	-	ļ-	-
		HIGH WATER RAMP WITH SCENIC OVERLOOK					
C-101	11	EXISTING CONDITIONS AND SITE PLAN (HIGH WATER RAMP WITH SCENIC OVERLOOK)		-	-	-	•
C-121	12	GRADING AND EROSION CONTROL PLAN (HIGH WATER RAMP WITH SCENIC OVERLOOK)		-			
C-131	13	RAMP PLAN AND PROFILE (HIGH WATER RAMP WITH SCENIC OVERLOOK)	-	-		-	
C-500	14	CONSTRUCTION DETAILS		•	-		-
C-501	15	RAMP DETAILS]-	-	•		-



McCALLIE BOAT RAMPS AND PKG. LOT
(MISSISSIPPI RIVER) (S)
MCALLIE ACCESS
DESHA, ARKANSAS

SEAL:



SHEET NUMBER:

SHEET 2 OF 15

DESCRIPTION:
INDEX OF SHEETS

GENERAL NOTES:

- 1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
 2. ANY EQUIPMENT OR APPURTEMANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROMODED.
 3. ALL LAND MONIMERITS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARDS SPECEFCATIONS.
 4. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CAME AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HABRIED AS UTITLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
 5. ALL FLEXIBLE BASE AND ASPHALTIC PAWEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM MO.210 UNCLUSSFED EXCANTION.
 6. ANY DAMAGE OF THE ASPHALT PAWEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSES.
 7. THIS PROJECT IS COVERED UNDER A SECTION 404 GENERAL PERMIT 25. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION 2014, FOR PERMIT REQUIREMENTS.

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING:

ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS

COMPRICTOR'S LUCKEE

DEPARTMENT MAJE CHANGE

SSUANCE OF PROPOSAS

LOUDATED DAMAGES

WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER

PROTECTION OF WATER QUALITY AND WETLANDS

AGGREGATE BASE COURSE

TACK COATS

DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES

PERCENT AR VOIDS FOR ACHIM MIX DESIGNS

LOUD ANTI-STRIP ADOTINE

CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT
MALCH COVER

CONCRETE WALLS, CONCRETE STEPS, AND HAND RAILING

CURBING

STRUCTURES

BODING REQUIREMENTS AND CONDITIONS

BOAT RAMP CONCRETE

700

BOAT RAMP FILER BLANKET AND RIPRAP

270

BOAD RAMP FILER BLANKET AND RIPRAP

270

CONCRETE STOPPLOCK

CONCRETE OFFICER

CONCRETE STOPPLOCK

CONCRETE OFFICER

CONCRETE STOPPLOCK

CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS ERRATA
100-3
100-4
102-2
108-1
108-1
108-2
110-1
203-1
400-4
400-5
410-1
620-1
633-1
634-1
JOB GF0270
JOB GF0270 JOB GF0270 CONCRETE STOPBLOCK
JOB GF0270 CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS
JOB GF0270 LIANGSCAPING
JOB GF0270 MANDATORY ELECTRONIC CONTRACT
JOB GF0270 MANDATORY ELECTRONIC COCUMENT SUBMITTAL
JOB GF0270 SETILEMENT AGREEMENTS
JOB GF0270 STORN MERE POLLUTION PREVENTION PLAN
JOB GF0270 SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB GF0270 TEMPORARY FENCE
JOB GF0270 TEMPORARY FENCE JOB GF0270 _____ TEMPORARY SILT FENCE (WITH BACKING)
JOB GF0270 _____ WARM MIX ASPHALT

OWNER:

ARKANSAS CAME AND FISH COMMISSION 1125 HIGHWAY 56 NORTH CALICO ROCK, AR 72519

CONTACT: MICHAEL CANTRELL CONSTRUCTION MANAGER, OPERATIONS PHONE: 877-297-4331 EXT. 1141 FAX: 870-297-8994

OPERATOR: ARKANSAS GAME AND FISH COMMISSION

DESIGN FIRM ARCHITECTURE AND ENGINEERING: PICKERING FIRMUNC 317 SOUTH CHURCH STREET JONESBORO, AR 72401 PHONE: 870-336-6663

CIVIL ENGINEER: ROBERT J. PITTS, P.E.

PROJECT #:	25264.00
DATE: AUGUST	29, 2018
DRAWN BY:	CBB
DESIGNER:	GJC
CHECKED BY:	RJP



McCALLIE BOAT RAMPS AND

(S) PKG. LOT IISSISSIPPI RIVER) (\$ McCALLIE ACCESS DESHA, ARKANSAS Ξ

SEAL: TE OF AUTHOR PICKERING FIRM, INC. No. 1329 ARKANSAS

ARKANBAS

PROFESSIONAL

ENGINEER

No. 10110

HEET NUMBER: G-003

SHEET 3 OF 15

DESCRIPTION:

GOVERNING SPECIFICATIONS AND GENERAL NOTES

	SUMMARY OF QUANTITIES				
	ARDOT JOB NO GF0270			**	
	HIGH WATER ACCESS RAMP AND SCENIC OVERLOOK	* *			
ITEM NUMBER	ITEM	HIGH WATER ACCESS QUANTITY	PRIMARY ACCESS QUANTITY	TOTAL QUANTITY	UNIT
201	CLEARING	0.50	1.00	1.50	AC
201	GRUBBING	0.50	1.00	1.50	AC
210	UNCLASSIFIED EXCAVATION	3950	4750	8700	CY
210	COMPACTED EMBANKMENT	150	4200	4350	CY
SS & 303	AGGREGATE BASE COURSE (CLASS 3)	125	90	215	CY
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	620	1140	1760	CY
SS & 401	TACK COAT	135	250	385	GAL
SP, SS & 406	MINERAL AGGREGATE IN ACHM BINDER COURSE (1")	430	790	1220	TON
SP, SS & 406	ASPHALT BINDER (PG64-22) IN ACHM BINDER COURSE (1")	20	40	60	TON
SP, SS & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	285	550	835	TON
SP, SS & 407	ASPHALT BINDER (PG64-22) IN ACHM SURFACE COURSE (1/2")	15	25	40	TON
SP & 501	BOAT RAMP CONCRETE 'CIP'	150	750	900	SY
SP & 501	BOAT RAMP CONCRETE 'CAP'	-	150	150	SY
SP & 502	BOAT RAMP REINFORCING STEEL	4200	16000	20200	LB
601	MOBILIZATION	0.50	0.50	1.00	LS
620	WATER	33.7	17.3	51.0	M. GAL
620	LIME	1	1	2	TON
620	SEEDING	0.33	0.17	0.50	AC
SS & 620	MULCH COVER	0.33	0.17	0.50	AC
SP & 621	TEMPORARY SILT FENCE (WITH BACKING)	1200	1100	2300	LF
621	TEMPORARY SEEDING	0.10	0.10	0.20	AC
621	ROCK DITCH CHECKS	30	30	60	CY
SS & 633	CONCRETE WALKS	52		52	SY
SS & 634	CONCRETE CURB (TYPE D)	50		50	ĹF
641	WHEELCHAIR RAMPS (TYPE 3)	4	-	4	SY
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4")	1150	1650	2800	LF
718	REFLECTORIZED PAINT PAVEMENT MARKING BLUE (4")	500	250	750	LF
718	REFLECTORIZED PAINT PAVEMENT MARKING SYMBOLS (WHEELCHAIR)	3	1	4	EA
718	REFLECTORIZED PAINT PAVEMENT MARKING (ARROWS)	13	7	20	EA
726	STANDARD SIGNS	16	4	20	SF
801	UNCLASSIFIED EXVAVATION FOR STRUCTURES-ROADWAY	12	-	12	СУ
SS & 802	CONCRETE CLASS S - ROADWAY	7.50		7.50	CY
	REINFORCING STEEL (GRADE 60) - ROADWAY	900	-	900	LB
	FILTER BLANKET	345	935	1280	SY
	DUMPED RIPRAP	675	4050	4725	TON
SP	CONCRETE STOPBLOCK	5	4	9	EA
SP	TEMPORARY FENCE	0	600	600	LF
SP	LANDSCAPING	1.00	-	1.00	LS

BASIS OF ESTIMATE:

LAME 2 TONS/ACRE OF SEEDING WATER ... 102 M.G./ACRE OF SEEDING

NOTE:
THE TEMPORARY EROSON CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS SHALL BE INSTALLED IN SUCH A SEQUENCE AS TO DETER EROSON AND SEDMENTATION ON U.S. WATER WAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELMINATION.

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.

	REVISIONS		
ARDOT JOB NO. GF0270			
DATE	REVISION	SHEET NUMBER	
	· .		
	-		
	in più,		

PROJECT #: 25264.00

DATE: AUGUST 29, 2018 CBB GJC RJP DRAWN BY: DESIGNER: CHECKED BY:

Rickering

McCALLIE BOAT RAMPS AND
PKG. LOT
(MISSISSIPPI RIVER) (S)
MCCALLIE ACCESS
DESHA, ARKANSAS

SEAL: TE OF AUTHOR PICKERING FIRM, INC. No. 1329 ARKANSAS

ATKANSAS REGISTERED PROFESSIONAL ENGINEER No. 10110

SHEET NUMBER:

G-004

SHEET 4 OF 15 SUMMARY OF QUANTITIES AND REVISIONS

- The contractor shall remove all materials in accordance with the adeq technical specifications. All materials shall be disposed of in accordance with all city, state and federal regulations.
- THE CONTRACTOR SHALL ENSURE ADEQUATE ACCESS IS PROVIDED TO ADJACENT PROPERTIES, ROADS, ETC. DURING ALL PHASES OF CONSTRUCTION. COORDINATE WITH
- SITE ITEMS SHOWN WERE LOCATED BY LIMITED FIELD SURVEY AND AERIAL PHOTOS. ADDITIONAL ITEMS WILL BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE, MODIFY, RELOCATE ANY ITEM & ALERT THE ENGINEER IN WRITING OF ANY CONFLICTS IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF DEMOLITION,
- CONTRACTOR SHALL NOT INTERRUPT DRAINAGE FROM ADJACENT PROPERTIES AND/OF PUBLIC RIGHT-OF-WAYS.

- BEFORE COMMENCING ANY ACTIVITY UNDER OR PERTAINING TO THIS CONTRACT, THE CONTRACTOR SHALL:
- 1.1 OBTAIN ALL BUILDING AND CONSTRUCTION PERMITS AS REQUIRED BY PERTINENT REGULATORY AND GOVERNMENTAL AGENCIES.
 1.2 CONTACT THE ARDOT DISTRICT 2 OFFICE.

- 1.3 CONTACT UNDERGROUND UTILITIES LOCATING SERVICE.

 1.4 NOTEY UTILITY COMPANIES MANTAINING UTILITY LINES OR EASEMENTS WITHIN THE LIMITS OF CONSTRUCTION, OR IN PUBLIC REGHTS-OF-WAY ADJACENT TO THE PROJECT.

 1.5 BECOME KNOWLEDGEABLE OF EXISTING UTILITIES AND PROTECT SAME WHERE NECESSARY. THIS SHALL INCLUDE UTILITIES SHOWN AND NOT SHOWN ON THE PLANS.
 1.6 THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY
- THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT BEFORE THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES WHETHER SHOWN ON THE
- THE CONTRACTOR SHALL AT ALL TIMES EMPLOY ADEQUATE EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT DAMAGE TO THE PROPERTY, ADJACENT PROPERTIES, PUBLIC RICHTS-OF WAY, AND PUBLIC OR PRIVATE DRAINAGE SYSTEMS. ALL NEWLY CUT AND/OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE SEEDED, FERTILIZED, & MULCHED AS REQUIRED TO EFFECTIVELY PREVENT SOIL EROSION PER ADEO REGULATIONS, ALL SLOPES 3:1 OR GREATER SHALL BE PERMANENTLY STABILIZED WITH SOLID SOD OR AN EROSION CONTROL MAT WITH SEEDING.
- ALL CONSTRUCTION SHALL MEET THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION, ANY VARIANCE SPECIFIED IN THIS SET OF PLANS SHALL
- THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE STATE AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.
- SEVENTY-TWO (72) HOURS BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CALL ARKANSAS ONE CALL AT 811 FOR THE LOCATION OF UNDERGROUND
- THE CONTRACTOR AT NO TIME SHALL ENCROACH UPON OR CAUSE DISRUPTION TO TRAFFIC FLOW ON ADJACENT PUBLIC RIGHTS-OF-WAY WITHOUT SECURING THE PROPER PERMITS PRIOR TO COMMENCING OPERATIONS. THE CONTRACTOR SHALL ERECT THE PROPER TRAFFIC CONTROL DEVICES ACCORDING TO THE LETTER EDITION OF THE TANDIAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND SHALL PROTECT THE PUBLIC FROM HAZARD OR INJURY BY ERECTING BARRICADES WHERE APPROPRIATE, I.E., AROUND EXCAMATIONS OR OPERATING EQUIPMENT. THE CONTRACTOR SHALL NOT ENTER NOT CAUSE DAMAGE TO ANY AQUACENT PROPERTIES WITHOUT WRITTEN PERMISSION FROM SAID PROPERTY OWNERS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL SITE RELATED CONCRETE UNLESS SPECIFIED OTHERWISE SHALL BE 4,000 PSI, AIR ENTRAINED.
- ANY EXISTING UTILITIES REQUIRING RELOCATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COORDINATE ALL PLANNED SERVICE OUTAGES OR EMERGENCIES WITH
- SURVEY CONTROL AND FIELD STAKING IS TO BE PROVIDED BY THE CONTRACTOR.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL AND STATE REQUIREMENTS INCLUDING THE LOCAL NOISE ORDINANCE.
- ANY FENCING, SIDEWALK, CURB AND GUTTER, CURB CUT, ETC., DAMAGED BY CONSTRUCTION SHALL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

GRADING AND DRAINAGE NOTES

- CONTRACTOR TO VERIFY UTILITY COMPANY LOCATIONS AND VERTICAL DATA SHOWN ON PLANS. CONTACT UTILITY PROVIDERS BEFORE SITE EXCAVATION BEGINS.
- PROPER DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PROJECT SITE TO PREVENT THE INCREASE OF THE IN-SITU SOILS MOISTURE CONTENT, FLUCTUATIONS MAY NECESSITATE SOIL IMPROVEMENTS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEED
- ESTABLISH PERMANENT VEGETATION WITH SEEDING OR SOLID SOD ON DISTURBED AREAS.
- SPOT ELEVATIONS SHOWN ARE FINISHED ASPHALT, GROUND OR CONCRETE ELEVATIONS. SPOT ELEVATIONS ON CURB LINES ARE ON THE BOTTOM OF CURB (GUTTER) UNLESS OF CURBURY AND THE BOTTOM OF CURB (GUTTER) UNLESS
- CLEAR AND GRUB AREAS OF THE SITE WHERE CUT OR FILL IS TO OCCUR. REMOVE ORGANIC MATTER, FOREIGN MATERIAL, PAVEMENT, TOPSOIL, FENCES, TRASH, BRUSH, BUNIED OBSTRUCTIONS SUCH AS TREE STUMPS, ROOTS AND INACTIVE DRAINAGE
- MAXIMUM SLOPE IN ANY DIRECTION AT HANDICAP PARKING AREAS IS 2% IF SLOPES IN THESE AREAS EXCEED 2%, NOTIFY THE DESIGNER IMMEDIATE. THE MAXIMUM LONGTUDINAL SLOPE AT SIDEMALK IS 5% WITH A 2% MAXIMUM CROSS SLOPE.
- EARTHWORK OPERATIONS SHALL BE PERFORMED PER THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
- FILL SHALL BE COMPACTED THE REQUIREMENTS OF ARDOT SECTION 210.10 SPECIFICATIONS.
- THE MOISTURE CONTENT OF FILL SOILS SHALL BE WITHIN THE RANGE OF 2% BELOW AND 2% ABOVE THE OPTIMUM MOISTURE CONTENT.
- DETECT ZONES OF UNSUITABLE AND/OR EXCESSIVELY WET SOILS. IF PUMPING BEGINS, COMPACTION SHALL BE STOPPED IMMEDIATELY AND RESUMED ONLY WHEN THE MATERIAL
- 13. PAVEMENTS ARE TO BE PLACED ON A MINIMUM OF 3 FEET OF SUITABLE MATERIALS, AND RAMPS ARE TO BE PLACED ON A MINIMUM OF 5 FEET OF SUITABLE MATERIAL. SUITABLE SUBGRADE MATERIALS ARE DEFINED AS EITHER NEWLY COMPACTED STRUCTURAL FILL OR CENTRAL MEDICAL MATERIALS. STABLE IN SITU SOIL (MIN. CBR=3).
- 14. IF EXIST SOIL IS SOFT, WET, OR OTHERWISE UNSUITABLE, SOILS MUST BE OVEREXCAVATED TO WITHIN 3' HORIZONTALLY OF THE PAVEMENT AND 5' HORIZONTALLY OF THE RAMP SLAB. THESE EXISTING SOILS SHALL BE HAULED OFF—SITE AND DISPOSED OF PER ALL LOCAL, STATE, AND FEDERAL REGULATIONS. EXCAVATED AREA MUST THEN BE FILLED WITH
- FILL MATERIAL SHOULD BE FREE OF ORGANIC MATTER AND DEBRIS. THE FILL SHOULD BE PLACED AND COMPACTED IN LIFTS OF 8 INCHES OR LESS IN LOOSE THICKNESS.
- THE CONTRACTOR SHALL ENSURE STOCKPILED SOILS ARE WELL DRAINED AND ARE ALLOWED TO INCREASE MOISTURE CONTENT.
- 17. UPON COMPLETION OF THE FILLING OPERATION, CARE SHOULD BE TAKEN TO MAINTAIN THE SUBGRADE MOISTURE CONTENT PRIOR TO CONSTRUCTION OF THE PAVEMENT AND RAMP SLAB. IF THE SUBGRADE SHOULD BECOME DESICCATED, THE AFFECTED MAIRRY SHOULD BE REMOVED OR THESE MATERIALS SHOULD BE SCARIFIED, MOISTENED AND RECOMPACTED PRIOR TO FLOOR SLAB PLACEMENT.
- SOFT SOILS SHALL BE USED ON SITE FOR FILL PURPOSES OUTSIDE THE AREAS OF RAMP AND PAVEMENT CONSTRUCTION. EXCESS SOILS WILL BE DISPOSED OF OFFSITE.
- FILL MATERIAL SHALL CONSIST OF NATURALLY OCCURRING EARTH MATERIALS WITH A PLASTICITY INDEX OF NOT MORE THAN 20%. IT SHALL BE FREE FROM ORGANIC MATTER AND CLAY BALLS WITH AN UPPER PARTICLE SIZE DIAMETER OF 2.0 INCHES.
- 20. PROVIDE NECESSARY AND REQUIRED SHEATHING BRACING, PUMPING & BAILING OPERATIONS TO PROTECT WORKMEN & ADJACENT FACILITIES. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW APPLICABLE SAFETY CODES & REGULATIONS
- DISTURBED AREAS SHALL BE GRADED TO DRAIN AS INDICATED ON THE PLANS DURING AND UPON COMPLETION OF CONSTRUCTION. NO DRAINAGE SHALL BE DAMMED OR TRAPPED UNLESS SPECIFICALLY DIRECTED BY THE PLANS.

ASPHALT AND SOIL CEMENT PAVING NOTES

- ASPHALT PAVEMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014
- SOIL CEMENT PAVING SHALL BE 6" THICK AT ASPHALT PAVING AND MEET THE REQUIREMENTS OF THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION,
- . THE CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR ALL ASPHALT FOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL ALSO SUBMIT A LETTER FROM THE TESTING LAB CERTIFYING THAT THE SUBMITTED PARMENT SECTIONS MEET THE APPLICABLE REQUIREMENTS OF THE THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
- ALL ASPHALT AND BASE COURSE ELEVATIONS SHALL NOT DEVIATE FROM PLAN GRADES BY MORE THAN 1/2-INCH. THE THICKNESS OF THE BASE SHALL NOT DEVAITE FROM THE THICKNESS SHOWN ON THE PLANS BY MORE THAN PLUS 1-1/2 INCHES OR MINUS O INCHES. THE THICKNESS OF THE ASPHALT PAVING SECTIONS SHALL NOT DEVAITE FROM THE THICKNESS SHOWN ON THE PLANS BY MORE THAN PLUS 1 INCH OR MINUS 0 INCHES.
- . PAVEMENT SUBGRADES SHALL BE PER THE REQUIREMENTS OF THE THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
- NEAR THE COMPLETION OF THE PROJECT, THE GC IS TO REPAIR ANY AREAS OF EXISTING AND NEWLY CONSTRUCTED PAVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COSTS TO THE OWNER,

EROSION AND SEDIMENTATION CONTROL NOTES:

- SEEDED, FERTILIZED, MULCHED AND/OR SODDED AS REQUIRED TO EFFECTIVELY PREVENT
- SILT FENCES AND OTHER BEST MANAGEMENT PRACTICES SHALL BE USED AS SHOWN AND AS DIRECTED BY THE ENGINEER TO CONTROL SOIL EROSION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL DURING CONSTRUCTION BY THE PLACEMENT OF SILT FENCES, SEDIMENT INLET TRAPS AND OTHER BEST MANAGEMENT PRACTICES WHERE NECESSARY TO PREVENT DOWNSTREAM SILTATION OF ANY DIFFICES, PIPES, DRAINAGE STRUCTURES, OR ADJACENT POPERTIES. THE CONTROLS SHOWN ON THE PLAN ARE THE MINIMUM REQUIRED AND THE CONTRACTOR
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE ADEQ STORM WATER CONSTRUCTION CENERAL PERMIT FOR ALL EROSION CONTROL DURING CONSTRUCTION
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL DEVICES AND REPORTING ANY MAINTENANCE AS REQUIRED BY THE ADEQ STORM WATER CONSTRUCTION GENERAL PERMIT DURING CONSTRUCTION ACTIVITIES.
- PROVISIONS SHALL BE MADE TO PROTECT DOWNSTREAM WATERCOURSES (I.E. DITCHES, PROVISIONS SPALL BE MODE TO PROTECT DOWNSTREAM MATERICOURSES (I.E. DITCHES, WETLANDS, ETC.) FROM SEDIMENT RUNOFF DEVELOPED FROM THE CONSTRUCTION PROCESS. PROVISIONS INCLUDE, BUT ARE NOT LUMITED TO, STRUCTURAL CONTROLS SUCH AS SILT FENCING, GEOTEXTILE FABRIC PROTECTION OF STORM SEWERS, DIKES AND SANDBAG BERMS; AND/OR VEGETATION CONTROLS SUCH AS SEEDING OR EXISTING VEGETATIVE BUFFER STRIPS (MINIMUM 25 FEET WIDE).
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AT LOCATIONS SHOWN ON PLANS.
- ABSOLUTELY NO DIRT, MUD, DUST OR SEDIMENT SHALL MOVE INTO ANY STORM DRAIN APPURTENANCES AND PUBLIC STREETS.
- CONTRACTOR SHALL PERFORM STREET CLEANING AS NECESSARY ON ROADS AND STREETS ADJACENT TO THE PROJECT WHICH ARE USED AS ACCESS ROUTES FOR CONSTRUCTION TRAFFIC IF DIRT AND MUD ARE NOT ADEQUATELY REMOVED FROM VEHICLES AT THE CONSTRUCTION EXIT. WASHING OF STREETS IS PROHIBITED.
- 10. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. USE A MINIMUM 60 MIL POLYETHYLENE LINER UNDER ABOVE CROUND STORAGE TANKS. USE 2 FOOT HIGH BERMS AROUND FUEL STORAGE AREAS.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL ENVIRONMENTAL LAWS.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
- 13. AT A MINIMUM, STRUCTURAL CONTROLS SHOULD BE INSPECTED ONCE EVERY CALENDAR WEEK. A COPY OF THE INSPECTION FORM SHALL BE KEPT ONSITE. SHOULD CONTROLS BECOME INFFECTIVE. NECESSARY REPAIRS SHALL BE PERFORMED TO RETURN THE INTEGRITY OF THE STRUCTURAL CONTROLS.
- CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE DAMAGED EROSION AND SEDIMENTATION CONTROL SYSTEMS THROUGHOUT THE DURATION OF THE CONTRACT.
- CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
- EQUIPMENT STAGING AREA TO BE DESIGNATED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
- 17. THE CONTRACTOR SHALL PROVIDE ALL EROSION CONTROL NECESSARY FOR UTILITY CONSTRUCTION, EVEN IF THE UTILITIES ARE OUTSIDE THE LIMITS OF GRADING
- 18. SEDIMENT WILL BE REMOVED FROM THE UPSTREAM FACE OF THE SILT FENCE WHEN IT REACHES A MAXIMUM DEPTH OF 50% OF THE FENCE'S CAPACITY. THE FENCE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
- TEMPORARY SEEDING MAY BE REQUIRED IN ADDITION TO PERMANENT SEEDING TO ASSIST IN COMPLYING WITH THE CONSTRUCTION GENERAL PERMIT.

CONCRETE PAVING NOTES:

- ALL CONCRETE PAYING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014
- WHERE PRACTICAL CONCRETE PAVING CONTRACTION JOINTS SHALL BE SAWCUT BOTH WAYS ON A SQUARE GRID. CONSTRUCTION JOINTS SHALL BE PLACED BETWEEN ALL POURS.
- A CONSTRUCTION JOINT SHALL BE INSTALLED AT A PLANNED JOINT WHEN PAVING OPERATIONS ARE INTERRUPTED FOR MORE THAN 30 MINUTES. IF THE INTERRUPTION OCCURS BETWEEN PLANNED JOINTS, THE FRESH CONCRETE SHALL BE REWOVED BACK TO THE PREVIOUSLY INSTALLED JOINT. UNLESS OTHERWISE APPROVED, NO JOINTS WILL BE ALLOWED BETWEEN THE JOINTS SHOWN ON THE JOINTING PLAN.
- EDGES OF CONCRETE SLABS SHALL BE COVERED WITH AN APPROVED CURING MATERIAL AT THE SAME TIME AS THE SURFACE IS CURED. AT FORMED LOCATIONS, SLAB SIDES SHALL BE CURED WHEN FORMS ARE REMOVED.
- CONCRETE SHALL BE PLACED IN ONE COURSE. ALL REINFORCING SHALL BE INSTALLED USING ENGINEER-APPROVED METHODS. THE REINFORCING SHALL RETAIN ITS SPECIFIED POSITION DURING CONCRETE PLACEMENT, REINFORCING VIBRATED DOWN FROM THE TOP AFTER CONCRETE IS PLACED WILL NOT BE ALLOWED.
- CONCRETE PAVEMENT ELEVATIONS SHALL NOT DEVIATE FROM PLAN GRADES BY MORE THAN $0.5-\mbox{Inch}.$
- G.C. TO RESEAL ALL CONTROL JOINTS IN EXISTING CONCRETE PAVEMENT (FILL WITH BACKER ROD WHERE EXISTING OPENING IS TOO WIDE).
- NEAR THE COMPLETION OF THE PROJECT, THE GC IS TO REPAIR ANY AREAS OF EXISTING AND NEWLY CONSTRUCTED PAVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COSTS TO THE OWNER.
- CONCRETE SIDEWALK SHALL BE FLUSH WITH ADJACENT PANELS. CONCRETE SIDEWALK AND HANDICAP RAMPS SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.

LANDSCAPE NOTES:

- SEED OR SOLID SOD ALL AREAS DISTURBED AND OUTSIDE LIMITS OF PAVING AS SHOWN.
- SOIL USED IN BACKFILLING PLANTING PITS SHALL BE TOPSOIL AND MIXED WITH 25% PEAT BY VOLUME. ALTERNATIVE RECOMMENDATIONS WILL BE CONSIDERED IF SUPPLEMENTED BY A SOIL TEST. SOIL HAVING A PH LESS THAN 6 SHALL BE THOROUGHLY MIXED WITH SUFFICIENT LIME TO PRODUCE A SLICHTLY ACIDIC REACTION (A PH OF 6 TO 6.5). 15–15–15 COMMERCIAL FERTILIZER AT THE RATE OF 2 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER. 4" MINIMUM THICKNESS OF TOPSOIL IS REQUIRED.
- THE LANDSCAPE CONTRACTOR SHALL INSPECT ALL BACKFILL AND PLACEMENT OF TOPSOL TO DETERMINE WHETHER OR NOT A "HARDPAN" STUATION EXISTS DUE TO PREVIOUS SOIL CONDITIONS, PLACEMENT AND COMPACTION OF FILL DURING CONSTRUCTION, OR ANY OTHER CONTRIBUTING FACTOR PRIOR TO INSTALLATION OF PLANT MATERIALS. IF SUCH A STUATION IS ANTICIPATED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT IMMEDIATELY, PRIOR TO THE INSTALLATION OF PLANT MATERIAL FOR A REFLIENCY.
- Upon securing plant material, and before installation, the contractor shall notify the consultant for a pre-installation inspection to verify all plant MATERIALS CONFORMANCE TO SPECIFICATIONS.
- HERBICIDE PRE-EMERGENT (TREFLAN OR EQUIVALENT) TO BE APPLIED TO ALL PLANT BEDS PRIOR TO PLANTING FOR NOXIOUS WEED CONTROL.
- ALL PLANTING BEDS TO HAVE A MINIMUM 3" DEEP SHREDDED HARDWOOD BARK MULCH. BARK CHIPS ARE NOT ACCEPTABLE.
- ALL TREES TO BE STAKED AS PER PLANTING DETAIL AND SHALL REMAIN IN PLACE THROUGHOUT THE WARRANTY PERIOD.
- DIMENSIONS FOR HEIGHTS, SPREAD, AND CALIPER OF TRUNK SPECIFIED ON THE DRAWING IS A GENERAL CUIDE FOR THE MINIMUM DESIRED SIZE OF EACH PLANT. EACH PLANT SHALL HAVE A UNFORM AND CONSISTENT SHAPE AS IT PERTAINS TO THE PARTICULAR SPECIES. ANY PLANT MATERIAL WHICH FAILS TO CONFORM IS SUBJECT TO
- THE QUANTITIES INDICATED ON THE MATERIAL SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS, FILLING PLANTED AREAS AT THE REQUIRED SPACING AND THE LABILITY PERTAINING TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND/OR PRICE
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO A HEIGHT MEASURED 5' ABOVE FINISH GRADE. ALL DEAD TREES AND/OR LIMBS TO BE REMOVED.
- LANDSCAPE CONTRACTOR TO VERFY LOCATION AND PROTECT ALL ABOVE AND BELOW GROUND UTILITIES. REPLACE DAMAGED UTILITIES AT NO EXPENSE TO THE OWNER. PROTECT AREAS FROM SILTATION AS NEEDED.
- 2. NURSERY: COMPANY SPECIALIZING IN GROWING AND CULTIVATING THE PLANTS SPECIFIED IN THIS SECTION WITH MINIMUM TEN (10) YEARS' DOCUMENTED EXPERIENCE, INSPECTED AND APPROVED BY STATE PLANT INSPECTION AGENCIES. CONSIDER ALL NURSERIES WITHIN THE SOUTHEASTERN PORTION OF THE U.S. FOR FOR PLANT MATERIAL NEEDS FOR THE PROPERTY.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL PLANT MATERIAL SHOWN ON THE DRAWINGS AND PLANT LISTS. PRIOR TO BIDDING, THE CONTRACTOR SHALL HAVE INVESTIGATED THE SOURCES OF SUPPLY AND SATISFIED HIMSELF THAT HE CAN SUPPLY ALL THE PLANTS SPECIFIED ON THE DRAWINGS IN THE OUARITY, SIZE, VARIETY, AND QUALITY NOTED. FALURE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENT TO FURNISH AND INSTALL ALL. PLANT MATERIAL, IN STRICT ACCORDANCE WITH CONTRACT REQUIREMENTS AND WITHOUT
- LIMITATIONS: DO NOT PROCEED WITH PLANT MATERIAL INSTALLATION UNTIL SITE UTILITY CONSTRUCTION AND FINISH GRADING IS COMPLETE. COORDINATE SCHEDULING OF PLANT MATERIAL INSTALLATION WITH OTHER CONTRACTORS INVOLVED IN THE AFOREMENTIONED CONSTRUCTION.
- 5. PROVIDE HOSE AND PLANT MATERIAL WATERING EQUIPMENT AS REQUIRED.
- 16. HANDLE PLANTS FROM BOTTOM OF BALL. PROTECT PLANT ROOTS AND TOPS FROM SUN OR DRYING WINDS UNTIL FINAL PLANTING. PLANTS WITH CRACKED, BROKEN OR LOOSELY WRAPPED BALLS SHALL BE REJECTED.
- DURING THE PROGRESS OF ALL OPERATIONS, PROTECT WALLS, WALKS, CURB, BENCHES, AND OTHER STRUCTURES WITH WOOD STRIPS OR PADDING, OR OTHER APPROVED MEANS
- 18. LANDSCAPE AND SOD INSTALLER AND SUPERVISOR QUALIFICATIONS: COMPANY SPECIALIZING IN LANDSCAPE DEVELOPMENT CONSTRUCTION, PARTICULARLY SOIL PREPARATION, LAWNS, AND LIVE PLANT MATERIALS; WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN SUCH WORK.
- 19. REPLACEMENT PLANT MATERIALS SHALL CARRY A ONE (1) YEAR WARRANTY PERIOD.
- 20. ANY PLANTS THAT ARE 25 PERCENT OR MORE DEAD SHALL BE CONSIDERED DEAD. ONE YEAR WARRANTY SHALL COMMENCE AT FINAL ACCEPTANCE. WARRANTY SHALL EXTEND INTO NEXT GROWING PERIOD WHEN DORMANT PLANTS ARE INSTALLED.
- PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, DISEASE FREE WELL-BRANCHED, AND DENSELY FOLIATE WHEN IN LEAF. TREES SHALL NOT HAVE FORKED LEADERS.
- 22. PLANTS SHALL CONFORM TO MEASUREMENTS SPECIFIED EXCEPT THAT PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED. USE OF SUCH PLANTS SHALL NOT INCREASE CONTRACT SUM. PLANTS THAT MEET THE MEASUREMENTS SPECIFIED BUT DO NOT POSSESS A NORMAL BALANCE BETWEEN HEIGHT AND SPREAD SHALL BE REJECTED.
- TREES WHICH HAVE DAMAGED OR CROOKED LEADERS, OR MULTIPLE LEADERS, UNLESS SPECIFIED, WILL BE REJECTED. TREES WITH ABRASIONS OF THE BARK, SUN SCALDS, DISFIGURING KNOTS, OR FRESH CUTS OF LIMBS OVER 3/4 INCH WHICH HAVE NOT COMPLETELY CALLUSED, WILL BE REJECTED.
- 24. PLANT SIZES AND QUALITY SHALL MEET OR EXCEED STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN (LATEST EDITION).
- The Person in Charge of or in control of the Property, whether as owner, lessee, tenant, occupant or otherwise, shall be responsible for the continued proper maintenance of all landscaping materials.
- 26. PRIOR TO PLANTING TREES, CONTRACTOR TO VERIFY THAT NO CONFLICTS EXIST BETWEEN THE TREE AND ALL EXISTING UTILITIES.

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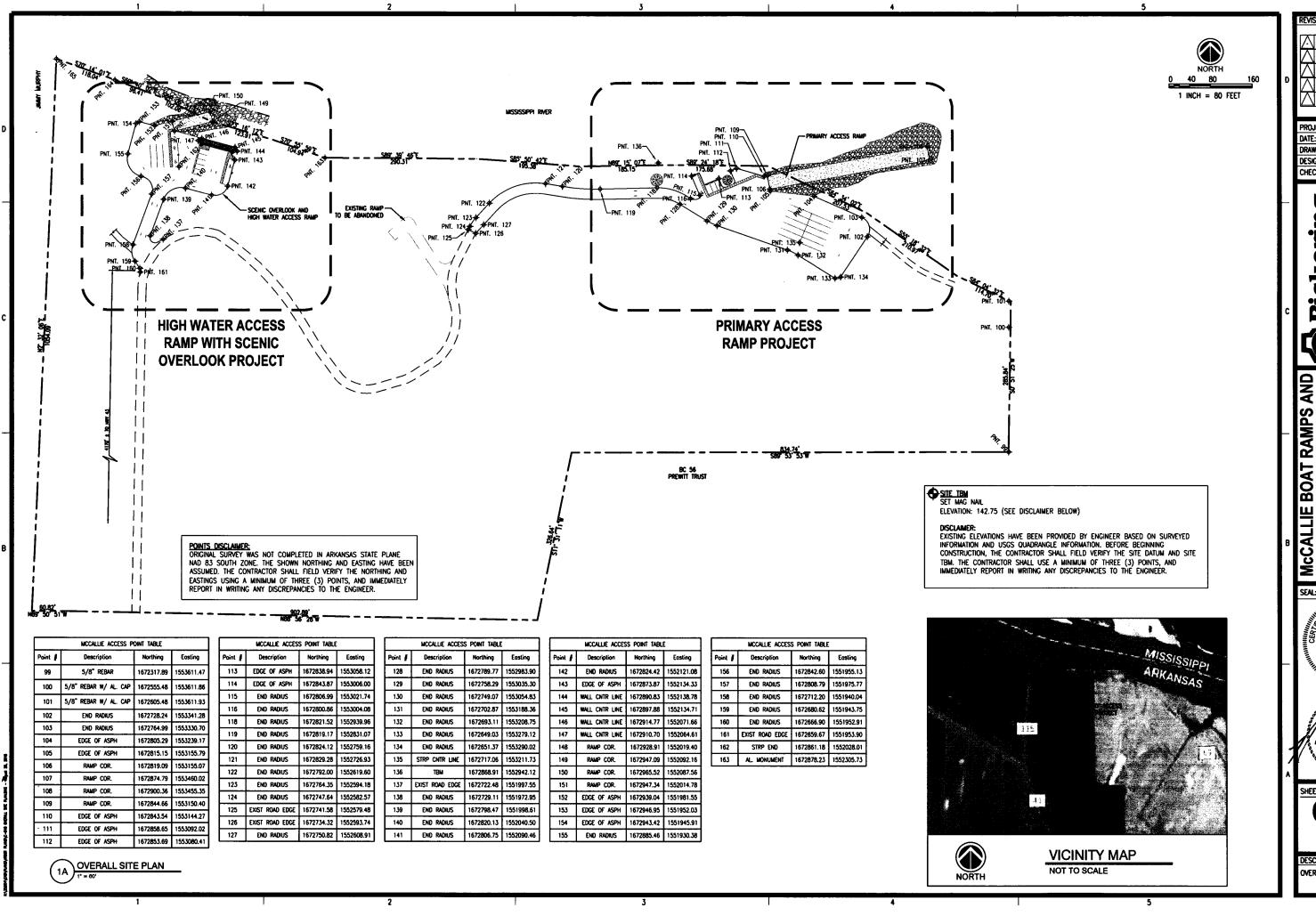
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SHEET NUMBER:

SHEET 5 OF 15

DESCRIPTION: NOTES



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DATE: AUGUST 29, 2018 CBB SC. RJP CHECKED BY:

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SHEET NUMBER:

SHEET 6 OF 15 DESCRIPTION:

OVERALL SITE PLAN

